

Title (en)

A method for the separating of amphoteric mixtures in adsorption columns and adsorption beds and an apparatus therefor.

Title (de)

Verfahren und Vorrichtung zur Trennung amphoterischer Mischungen in Adsorptionssäulen und -betten.

Title (fr)

Procédé et installation pour la séparation de mélanges amphotères dans des colonnes et lits d'adsorption.

Publication

EP 0316047 A1 19890517 (EN)

Application

EP 88202496 A 19881109

Priority

NL 8702693 A 19871111

Abstract (en)

A method and an apparatus for separating proteins or other amphoteric mixtures into their component parts by utilising the fact that the degree of adsorption by a certain adsorbent per component is dependent on the prevailing pH in which the material is transported through an adsorption column or over an adsorption-bed. To that end the pH is varied by the diffusion of an acid or basic gas such as CO or NH in the adsorbent in a direction transverse to the liquid-transporting-direction, such, that the components are separated from the mixture in a sideways direction. The pH-regulating agent preferably is administered via a membrane.

IPC 1-7

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Citation (search report)

- [A] EP 0168140 A2 19860115 - UNIV COLUMBIA [US]
- [A] US 4584075 A 19860422 - GOLDSTEIN ARTHUR L [US], et al
- [A] CH 313994 A 19560531 - SCHILLING VERWALTUNGS AKTIENGE [LI]
- [A] US 3234199 A 19660208 - REID ALLEN F

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